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Serial No. 09/502,882

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE****Patent Application****Inventors:** Dhritiman Banerjee  
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Anthony L. Lentine  
Ted K. Woodward**Case:** 1-3-23-17**Serial No.:** 09/502,882      **Group Art Unit** 2667**Filed:** February 11, 2000**Examiner:** Thai D. Hoang**Title:** Propagation and Detection of Faults in a Multiplexed  
Communication System**COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450****SIR:****AMENDMENT AFTER FINAL OFFICE ACTION**

This response is being filed in response to the Final Office Action dated July 26, 2004. Please amend the above-identified U.S. patent application as follows: